

REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office

16 JUL 1931

Date of writing Report

19

When handed in at Local Office

12.4.31 Port of

HULL

No. in Survey held at
Reg. Book

Hull

Date, First Survey

31. March

Last Survey

July 24 1931

(Number of Visits)

Tons
Gross
Net

on the Steam Trawler "EUCLASE"

Built at

Beverly

By whom built

Cook, Welton & Gemmell Ltd

Yard No. 565

When built 1931

Engines made at

Hull

By whom made

Charles D. Holmes & Co. Ltd

Engine No. 1425

When made 1931

Boilers made at

do

By whom made

do

Boiler No. 1425

When made 1931

Registered Horse Power

Owners

Kingston Steam Trawling Co. Ltd

belonging to

Hull

Nom. Horse Power as per Rule

89

Is Refrigerating Machinery fitted for cargo purposes

✓

Is Electric Light fitted

yes

Trade for which Vessel is intended

Fishing

ENGINES, &c.—Description of Engines

Triple Expansion

Revs. per minute

Dia. of Cylinders 22, 21, 35 Length of Stroke 26 No. of Cylinders 3 No. of Cranks 3

Crank shaft, dia. of journals as per Rule 7.04 Crank pin dia. 7.25 Crank webs Mid. length breadth 3.5 shrunk Thickness parallel to axis 4 7/8

Intermediate Shafts, diameter as per Rule 7.04 as fitted 7.25 Thrust shaft, diameter at collars as per Rule 7.51 as fitted 7.25

Tube Shafts, diameter as per Rule 7.51 as fitted 7.51 Screw Shaft, diameter as per Rule 7.51 as fitted 7.51 Is the tube screw shaft fitted with a continuous liner

Bronze Liners, thickness in way of bushes as per Rule 7.51 as fitted 7.51 Thickness between bushes as per Rule 7.51 as fitted 7.51 Is the after end of the liner made watertight in the

propeller boss yes If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner

If the liner does not fit tightly at the part between the bearings in the stern tube, is the space charged with a plastic material insoluble in water and non-corrosive

If two liners are fitted, is the shaft lapped or protected between the liners

shaft If so, state type Is an approved Oil Gland or other appliance fitted at the after end of the tube

Length of Bearing in Stern Bush next to and supporting propeller 36

Propeller, dia. 9-6 Pitch 10-6 No. of Blades 4 Material C.I. whether Moveable no Total Developed Surface 35 sq. feet

Feed Pumps worked from the Main Engines, No. one Diameter 2 3/4 Stroke 14 1/2 Can one be overhauled while the other is at work

Bilge Pumps worked from the Main Engines, No. one Diameter 2 3/4 Stroke 14 1/2 Can one be overhauled while the other is at work

Feed Pumps No. and size one @ 6" x 4 1/4" x 6" Pumps connected to the Main Bilge Line No. and size one @ 6" x 4 1/4" x 6" How driven Steam

Ballast Pumps, No. and size Lubricating Oil Pumps, including Spare Pump, No. and size

Are two independent means arranged for circulating water through the Oil Cooler

Bilge Pumps;—In Engine and Boiler Room 2 @ 2" Suctions, connected to both Main Bilge Pumps and Auxiliary

In Pump Room In Holds, &c. 4 @ 2"

Main Water Circulating Pump Direct Bilge Suctions, No. and size one @ 3 1/2" Independent Power Pump Direct Suctions to the Engine Room Bilges,

No. and size one 2 1/2" Ejector Are all the Bilge Suction Pipes in holds and tunnel well fitted with strum-boxes

Are the Bilge Suctions in the Machinery Space led from easily accessible mud-boxes, placed above the level of the working floor, with straight tail pipes to the bilges

Are all Sea Connections fitted direct on the skin of the ship

Are they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates

Are they each fitted with a Discharge Valve always accessible on the plating of the vessel

What Pipes pass through the bunkers Forward suction How are they protected wood casings

What pipes pass through the deep tanks Have they been tested as per Rule

Are all Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times

Is the arrangement of Valves and their connections such as to prevent the possibility of water passing from the sea or from water tanks into the cargo or machinery spaces, or from one

compartment to another yes Is the Shaft Tunnel watertight Is it fitted with a watertight door worked from

MAIN BOILERS, &c.—(Letter for record S) Total Heating Surface of Boilers 1606 #

Is Forced Draft fitted No. and Description of Boilers one single ended Working Pressure 200 lbs 10"

IS A REPORT ON MAIN BOILERS NOW FORWARDED? yes

IS A DONKEY BOILER FITTED? If so, is a report now forwarded?

Is the donkey boiler intended to be used for domestic purposes only

PLANS. Are approved plans forwarded herewith for Shafting Main Boilers Auxiliary Boilers Donkey Boilers

(If not state date of approval)

Superheaters General Pumping Arrangements Oil fuel Burning Piping Arrangements

SPARE GEAR.

Has the spare gear required by the Rules been supplied yes

State the principal additional spare gear supplied 2 Bolts nuts for top ends, bottom ends &

main bearings, one set of coupling bolts nuts, spare valves

for air, feed & bilge pumps, main & Donkey check valves

a seats. Feed pump Ram. circulating pump impeller & shaft

spare valves for donkey pump.

The foregoing is a correct description,
For CHARLES D. HOLMES & CO., LTD.

Manufacturer.



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Lloyd's Register
Foundation

002385-002400-0181

51082

1931 Mar. 31. Apr. 9. 14. 20. May 1. 2. 5. 14. 18. 21. 28. 28. Jun 2. 24. 8. 9
 11. 16. 22. 30. July 2. 2. 24.

Dates of Survey while building
 During progress of work in shops --
 During erection on board vessel --
 Total No. of visits

Dates of Examination of principal parts—Cylinders 28-5-31 Slides 28-5-31 Covers 28-5-31
 Pistons 28-5-31 Piston Rods 8-6-31 Connecting rods 8-6-31
 Crank shaft 4-6-31 Thrust shaft 4-6-31 Intermediate shafts
 Tube shaft Screw shaft 14-5-31 Propeller 28-5-31 + 16-6-31
 Stern tube 9-4-31 Engine and boiler seatings 30-6-31 Engines holding down bolts 2-7-31
 Completion of fitting sea connections 28-5-31 + 16-6-31
 Completion of pumping arrangements 4-7-31 Boilers fixed 30-6-31 Engines tried under steam 4-7-31
 Main boiler safety valves adjusted 4-7-31 Thickness of adjusting washers P 3/8" S 1/8"
 Crank shaft material Steel Identification Mark Lloyds 650 Thrust shaft material Steel Identification Mark Lloyds 650
 Intermediate shafts, material Identification Marks Tube shaft, material Identification Mark
 Screw shaft, material Steel Identification Mark Lloyds 650 Steam Pipes, material S.B. Copper Test pressure 400 lbs Date of Test 2-7-31
 Is an installation fitted for burning oil fuel No Is the flash point of the oil to be used over 150°F.
 Have the requirements of the Rules for the use of oil as fuel been complied with
 Is the vessel (not being an oil tanker) fitted for carrying oil as cargo No If so, have the requirements of the Rules been complied with
 If the notation for Ice Strengthening is desired, state whether the requirements in this respect have been complied with
 Is this machinery duplicate of a previous case Yes If so, state name of vessel Siberite

General Remarks (State quality of workmanship, opinions as to class, &c. The machinery of this vessel has been built under special survey, the materials and workmanship being sound and good. It has been satisfactorily fitted on board, tried under working conditions and found in good order. It is eligible, in my opinion, to have record of LMC 7, 31 C.L.

Certificate to be sent to
 The Surveyors are requested not to write on or below the space for Committee's Minute.

The amount of Entry Fee ... £ 2 : 0 :
 Special ... £ 22 : 5 :
 Donkey Boiler Fee ... £ : :
 Travelling Expenses (if any) £ : :
 When applied for, 15.4.1931
 When received, 1.8.1931

B. Moffatt.
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute TUE. 21 JUL 1931
 Assigned + L.M.C. 7, 31 C.L.

CERTIFICATE WRITTEN.